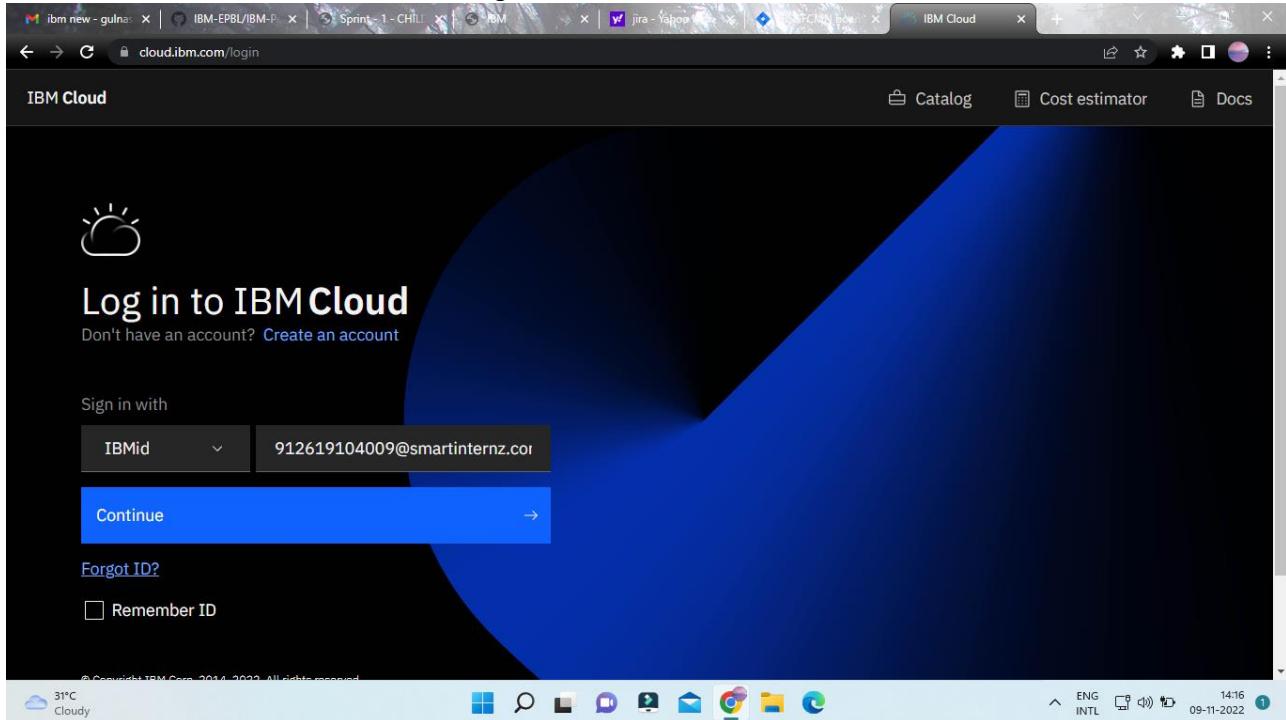


## PROJECT PLANNING PHASE

### SPRINT 1

Date	29 October 2022
Team ID	PNT2022TMID48154
Project Name	IOT BASED SAFETY GADGET FOR CHILD SAFETY MONITORING AND NOTIFICATION

USN 1: As a user I need to enroll the cloud registration

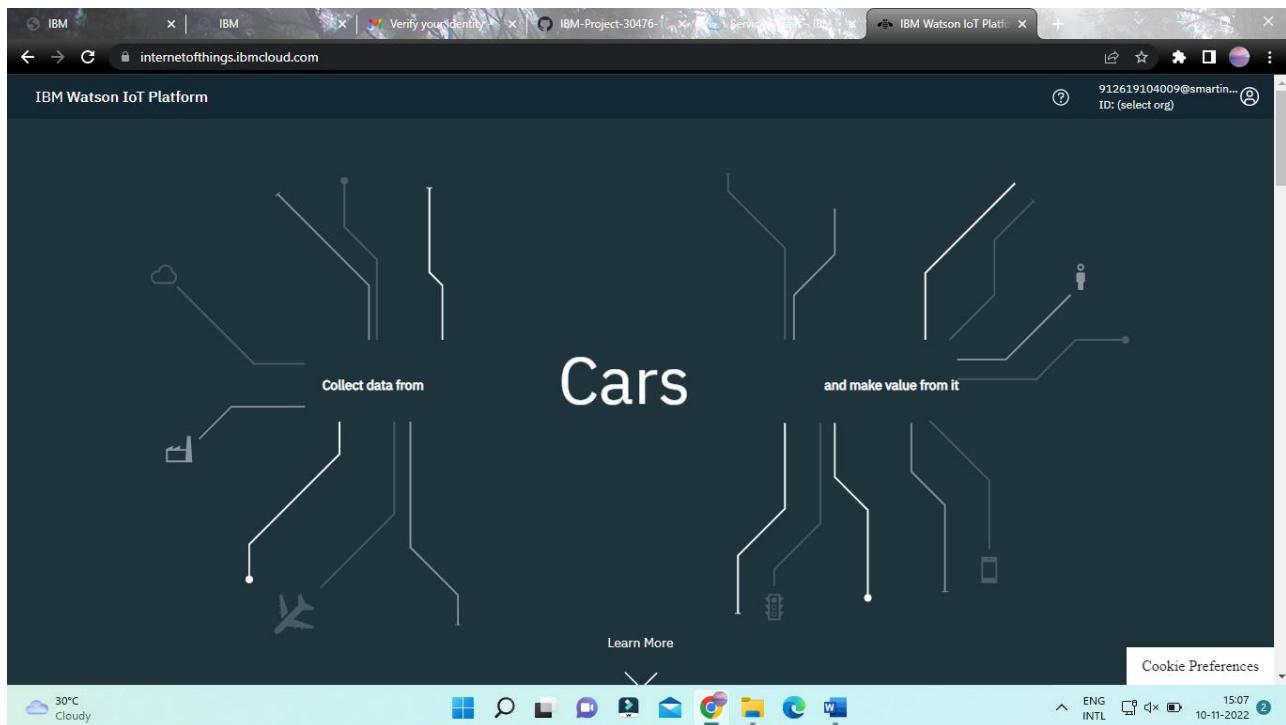


USN 2: As a user, I will creat IBM cloud account.

The screenshot shows the IBM Cloud dashboard. On the left, there's a sidebar with icons for different services like Build, Watson, and Watson Studio. The main area has a "For you" section with a "Build" tile (Explore IBM Cloud with this selection of easy starter tutorials and services) and three other cards: "Set up your IBM Cloud account" (Learn how to set up your IBM Cloud account, manage your account settings, organize resources, and control access to those resources), "IBM Watson Internet of Things Platform" (Communicate with connected devices, monitor and analyze data in real time, connect your own IoT apps and add Watson AI to the solution), and "Unlock the entire catalog" (Upgrade your account to access Kubernetes and everything IBM Cloud has to offer). Below these cards are sections for "User access" (Manage users), "News" (View all), "Planned maintenance" (View all), and a weather widget (31°C, Cloudy). At the bottom, there's a toolbar with various application icons.

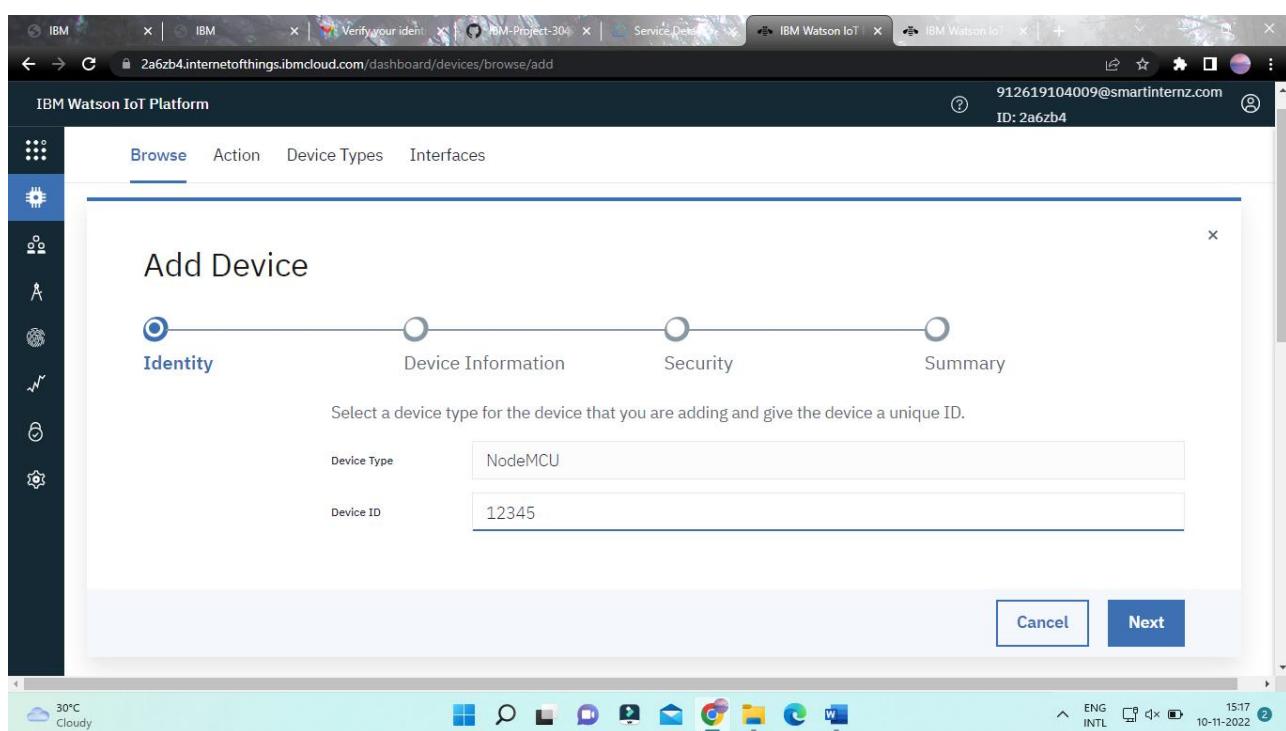
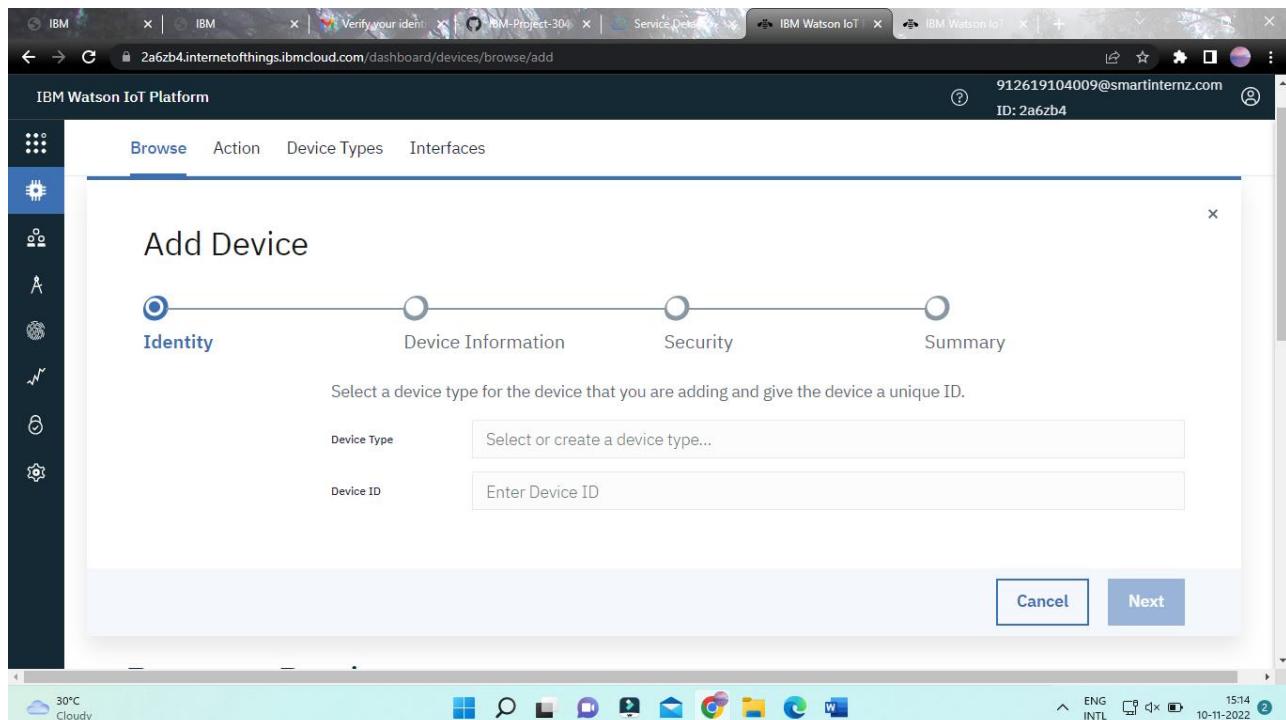
USN 3: After creating cloud account launch IBMWatson IOT platform by accessing cloud account .

The screenshot shows the "Service Details - IBM Watson IoT Plat..." page. The top navigation bar includes "IBM Cloud", "Search resources and products...", "Catalog", "Manage", and "Gulnas Fath...". The main content area is titled "Internet of Things Platform-ny" and shows a "Manage" sidebar with "Plan" and "Connections" options. In the center, there's a diagram of a central node connected to multiple peripheral components. To the right, a section titled "Let's get started with IBM Watson IoT Platform" encourages users to "Securely connect, control, and manage devices. Quickly build IoT applications that analyze data from the physical world." It features a "Launch" button and a "Docs" button. Below this is a "Ready for the next level?" section with a "Lite" button (which is checked) and a "Non-Production" button. At the bottom, there's a toolbar with application icons and a status bar showing "30°C Cloudy", "ENG INTL", "15:01", and the date "10-11-2022".



#### USN 4: Create the node in IBM Watson platform

The screenshot shows the "Browse Devices" page in the IBM Watson IoT Platform. A sidebar on the left contains icons for device management. The main area has a header "Browse Devices" with buttons for "All Devices" (highlighted in blue) and "Diagnose". A descriptive text block explains the purpose of the table. Below is a search bar and a "Device Simulator" toggle switch. A table at the bottom lists device details: Device ID, Status, Device Type, Class ID, and Date Added. The table is currently empty. The top navigation bar and status bar are identical to the previous screenshot.



The screenshot shows the 'Add Device' wizard in the IBM Watson IoT Platform. The current step is 'Identity'. The interface includes a navigation bar with 'Browse', 'Action', 'Device Types', and 'Interfaces' options. On the left is a sidebar with various icons. The main area displays fields for device identification:

Serial Number	Enter Serial Number
Model	Enter Model
Description	Enter Description
Hardware Version	Enter Hardware Version
Manufacturer	Enter Manufacturer
Device Class	Enter Device Class
Firmware Version	Enter Firmware Version
Descriptive Location	Enter Descriptive Location

A note below the fields states: "You can modify the default device information and enter more information about the device for identification purposes."

The screenshot shows the 'Device Information' step of the wizard. The navigation bar now shows 'Device Information' as the active step. The main area displays the following device details:

Device Type	NodeMCU
Device ID	12345

A blue button labeled 'View Metadata' is visible. At the bottom right are 'Back' and 'Finish' buttons.

The screenshot shows the IBM Watson IoT Platform interface. At the top, there are several tabs: 'IBM', 'Verify your identity', 'IBM-Project-304', 'Service Details', 'IBM Watson IoT' (which is the active tab), and 'IBM Watson IoT'. The main header displays the URL '2a6zb4.internetofthings.ibmcloud.com/dashboard/devices/drilldown/NodeMCU:12345?returnTo=/devices/browse' and the user information '912619104009@smartinternz.com' and 'ID: 2a6zb4'. On the left, a sidebar menu lists options: Device Credentials (selected), Connection Information, Recent Events, State, Device Information, and Metadata. The main content area is titled 'Device Drilldown - 12345'. It shows the following device details:

	Organization ID	2a6zb4
Device Type	NodeMCU	
Device ID	12345	
Authentication Method	use-token-auth	
Authentication Token	12345678	

A warning message states: '⚠️ Authentication tokens are non-recoverable. If you misplace this token, you will need to re-register the device to generate a new authentication token.' Below this, a link says 'Find out how to add these credentials to your device'.

The bottom of the screen shows a taskbar with icons for File, Home, Search, Task View, Start, Mail, Photos, OneDrive, Edge, File Explorer, and Power. The system tray indicates a weather forecast of '30°C Cloudy', battery status, network connection, and the date/time '15:22 10-11-2022'.

USN 5: After Creating node get device Type and id

The screenshot shows the IBM Watson IoT Platform dashboard. At the top, there are several tabs including 'Verify your identity', 'IBM Project-304', 'Service Details', 'IBM Watson IoT', and 'IBM Watson IoT'. The main header displays 'IBM Watson IoT Platform' and the user information '912619104009@smartinternz.com' and 'ID: 2a6zb4'. Below the header, there are navigation links for 'Browse', 'Action', 'Device Types', and 'Interfaces', along with a prominent blue 'Add Device' button. A search bar labeled 'Search by Device ID' is present, along with a 'Device Simulator' toggle switch. On the left side, there is a vertical sidebar with various icons. The main content area shows a table of devices. One device, '12345', is highlighted in blue. Its details are shown in a modal window:

Device ID	Status	Device Type	Class ID	Date Added
12345	Disconnected	NodeMCU	Device	Nov 10, 2022 3:20 PM

Below this, the device's identity is detailed:

Identity	Device Information	Recent Events	State	Logs
Device ID	12345			
Device Type	NodeMCU			
Date Added	Nov 10, 2022 3:20 PM			
Added By	912619104009@smartinternz.com			
Connection Status	Disconnected			

At the bottom of the screen, there is a taskbar with various icons and system status indicators.

#### USN 6: Simulate the node created

This screenshot shows the same IBM Watson IoT Platform interface as the previous one, but with a different device selected. The device 'NodeRed\_1' is now highlighted in blue and is connected. Its details are shown in a modal window:

Device ID	Status	Device Type	Class ID	Date Added
123456	Disconnected	NodeRed	Device	Oct 29, 2022 3:29 PM

Below this, the device's identity is detailed:

Identity	Device Information	Recent Events	State	Logs
NodeRed_1	Connected			

A message at the bottom of the modal states: 'The recent events listed show the live stream of data that is coming and going from this device.' Below this, a table lists recent events:

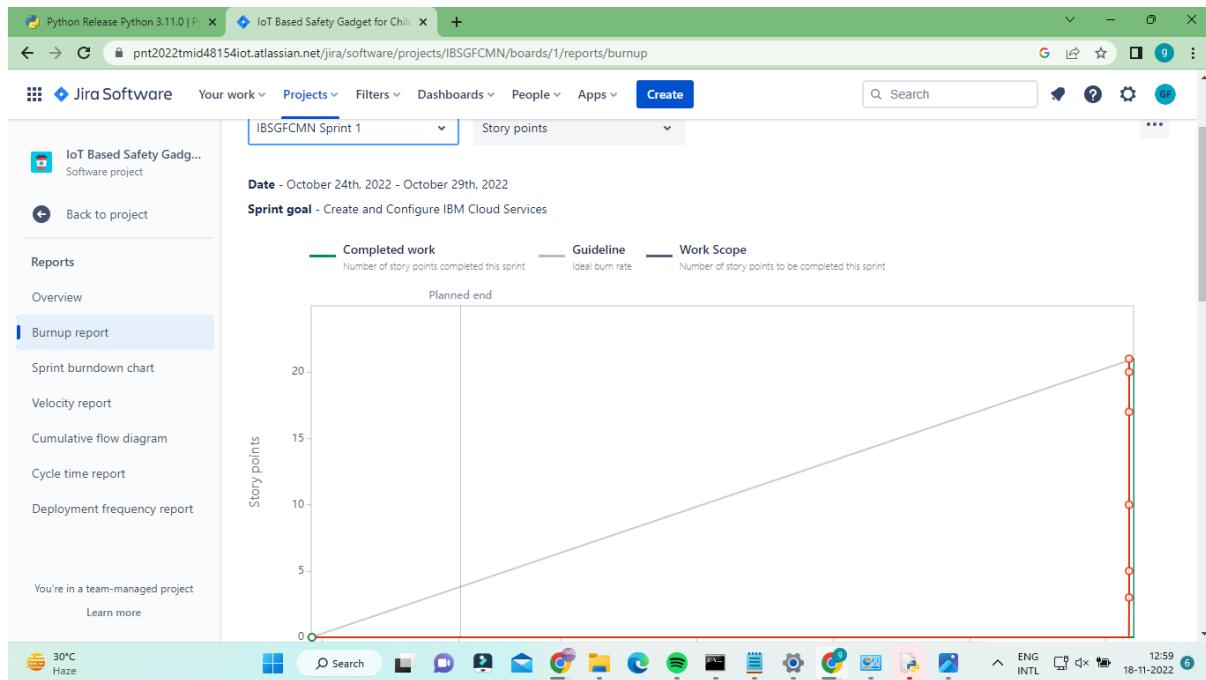
Event	Value	Format	Last Received
event_1	{"longitude":63}	json	a few seconds ago
event_1	{"longitude":50}	json	a few seconds ago
event_1	{"longitude":63}	json	a few seconds ago
event_1	{"longitude":56}		
event_1	{"longitude":51}		

A note at the bottom right of the modal says '1 Simulation running'.

## ROADMAP:

	OCT	24	25	26	27	28	29
Sprints	IBSGFCMN Sprint 1						
✓ + IBSGFCMN-21 Create and Configure IBM Cloud Se...							
└ IBSGFCMN-1 As a user I ... <span style="background-color: #2e7131; color: white; padding: 2px 5px;">DONE</span> GULNSA FAT...							
└ IBSGFCMN-2 As a user, I w... <span style="background-color: #2e7131; color: white; padding: 2px 5px;">DONE</span> ACIKAMUT...							
└ IBSGFCMN-3 After creating... <span style="background-color: #2e7131; color: white; padding: 2px 5px;">DONE</span> ARUNNAV...							
└ IBSGFCMN-4 Create the n... <span style="background-color: #2e7131; color: white; padding: 2px 5px;">DONE</span> GMUTHULA...							
└ IBSGFCMN-5 After Creating... <span style="background-color: #2e7131; color: white; padding: 2px 5px;">DONE</span> ACIKAMUT...							
└ IBSGFCMN-6 Simulate the... <span style="background-color: #2e7131; color: white; padding: 2px 5px;">DONE</span> GULNSA FAT...							
✓ + IBSGFCMN-22 Create and access Node-Red							
✓ + IBSGFCMN-23 Create A Database in Cloudant DB...							
✓ + IBSGFCMN-24 Create the Web application using No...							

## BURNUP REPORT:



## SPRINT BURNDOWN CHART:

